

### From the INTERNATIONAL SEARCHING AUTHORITY

To: CAROL A. FANG	PCT		
TOWNSEND AND TOWNSEND AND CREW LLP TWO EMBARCADERO CENTER, 8TH FLOOR SAN FRANCISCO, CA 94111	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION		
	(PCT Rule 44.1)		
014058 - 018410PC	Date of mailing (day/month/year) 2 2 MAR 2005		
Applicant's or agent's file reference 14058-184-1P	FOR FURTHER ACTION See paragraphs 1 and 4 below		
International application No. PCT/US04/18529	International filing date (day/month/year) 09 June 2004 (09.06.2004)		
Applicant CORIXA CORPORATION			
The applicant is hereby notified that the international sear Authority have been established and are transmitted here.	rch report and the written opinion of the International Searching with.		
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the cl	aims of the international application (see Pule 46)		
	normally two months from the date of transmittal of the international		
Where? Directly to the International Bureau of WIPO 1211 Geneva 20, Switzerland, Facsimile No			
For more detailed instructions, see the notes on the a	ccompanying sheet.		
The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.			
With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:			
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.			
no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.			
4. Reminders			
Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.			
The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.			
examination must be filed if the applicant wishes to postpone the	of some designated Offices, a demand for international preliminary entry into the national phase until 30 months from the priority date in 20 months from the priority date, perform the prescribed acts for		
In respect of other designated Offices, the time limit of 30 month	s (or later) will apply even if no demand is filed within 19 months.		
See the Annex to Form PCT/IB/301 and, for details about the Guide, Volume II, National Chapters and the WIPO Internet site.	applicable time limits, Office by Office, see the PCT Applicant's		
Name and mailing address of the ISA/ US	Authorized officer		
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Jennifer Dunistan		
P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Telephone No. 571-272-0567		
orm PCT/ISA/220 (January 2004)			

Search Report Rec'd 3-22-05
Article 19 Amendment 5-22-05
File IDS in U.S. 6-22-05
Response to Written Opinion
8-22-05

(See notes on accompanying sheet)

## PATENT COOPERATION TREATY

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference  14058-184-1P  See Form PCT/ISA/220  as well as, where applicable, item 5 below.				
International application No. PCT/US04/18529	International filing date (day/m 09 June 2004 (09.06.2004)		(Earliest) Priority Date (day/month/year) 09 June 2003 (09.06.2003)	
Applicant CORIXA CORPORATION				
This international search report consists	transmitted to the Internationa	al Bureau.	uthority and is transmitted to the applicant in this report.	
Basis of the Report     With regard to the language, the language in which it was filed, un	international search was carried nless otherwise indicated under t	out on the ba	sis of the international application in the	
	search was carried out on the barity (Rule 23.1(b)).	isis of a transl	ation of the international application	
b. With regard to any nucleotic	de and/or amino acid sequence	disclosed in t	he international application, see Box No. I.	
2. Certain claims were found	unsearchable (See Box No. II)			
3. Unity of invention is lacking	g (See Box No. III)			
4. With regard to the title,		•		
the text is approved as submi	itted by the applicant.			
the text has been established	by this Authority to read as follow	ows:	·	
			·	
·				
5. With regard to the abstract,				
the text is approved as submi	tted by the applicant.			
the text has been established, may, within one month from	according to Rule 38.2(b), by the date of mailing of this internal	his Authority national search	as it appears in Box No. IV. The applicant a report, submit comments to this Authority.	
6. With regard to the drawings,				
a. the figure of the drawings to be p	ublished with the abstract is Fig	ure No	<u>_</u>	
as suggested by the a	pplicant.			
as selected by this A	uthority, because the applicant f	ailed to sugge	st a figure.	
F	uthority, because this figure bett		<del>-</del>	
b. none of the figures is to be pu				
	orm PCT/ISA/210 (first sheet) (January 2004)			

### INTERNATIONAL SEARCH REPORT

International	application No.

PCT/US04/18529

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)				
1. With 1 inven a.	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed tion, the international search was carried out on the basis of:  type of material  a sequence listing  table(s) related to the sequence listing			
b.	format of material  in written format  in computer readable form			
c.	time of filing/furnishing  contained in the international application as filed  filed together with the international application in computer readable form  furnished subsequently to this Authority for the purposes of search			
2.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.			
3.	Additional comments:			

Form PCT/ISA/210 (continuation of first sheet(1)) (January 2004)

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/18529

		<u></u>				
A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : C12N 15/00, 15/09, 5/10, 15/63, 15/74 US CL : 435/320.1, 325, 252.3, 455, 471						
	International Patent Classification (IPC) or to both na	tional classification and IPC				
	DS SEARCHED					
	cumentation searched (classification system followed lassification system for	by classification symbols)				
Documentation	on searched other than minimum documentation to the	extent that such documents are included in	the fields searched			
	ta base consulted during the international search (nam ontinuation Sheet	e of data base and, where practicable, sear	ch terms used)			
	JMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where a		Relevant to claim No.			
х	XU et al. Optimization of Transcriptional Regulator		1, 8, 12, 15, 16, 22			
Y	Vectors. July 2001, Vol. 272, No. 1-2, pages 149-1 sections 2.3 and 3.2.	56, especially Figures 2 and 4, and	7, 17, 18, 23-25			
х	US 6,534,482 (FIKES et al) 18 March 2003 (18.03.	2003), especially columns 12, 22-24,	1-3, 8, 12, 15			
 Y	30-32 and 36.		7 17 10 22 25			
1			7, 17, 18, 23-25			
Y	WANG et al. L523S, An RNA-Binding Protein as a Cancer. March 2003, Vol. 88, No. 6, pages 887-89.		7, 23-25			
Υ 🚚	l · · · · · · · · · · · · · · · · · · ·					
A GARMORY et al. DNA Vaccines: Improving Expression of Antigens. Genetic Vaccines and Therapy (http://www.gvt-journal.com/content/1/1/2) September 2003, Vol. 1, page 2.			1-25			
	documents are listed in the continuation of Box C.	See patent family annex.				
- S <sub>I</sub>	pecial categories of cited documents:	"T" later document published after the inter date and not in conflict with the applica				
	defining the general state of the art which is not considered to be lar relevance	principle or theory underlying the inves	ntion			
	plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be consider when the document is taken alone				
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the considered to involve an inventive step						
"O" document	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the				
"P" document published prior to the international filing date but later than the "&" document member of the same patent family priority date claimed						
Date of the actual completion of the international search  Date of mailing of the international search report  2 2 WAR 2005						
	05 (03.03.2005)					
	iling address of the ISA/US	Authorized officer	$\mathcal{V}_{i}$			
Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450  Jennifer Dynstop  O						
	Landria, Virginia 22313-1450	Telephorie No. 571-272-0507	y or			
Facsimile No.	. (703) 305-3230	csimile No. (703) 305-3230				

Form PCT/ISA/210 (second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT	International application No. PCT/US04/18529
·	
Continuation of B. FIELDS SEARCHED Item 3: EAST, MEDLINE EMBASE, BIOSIS, CAPLUS, UNIPROT, PIR_79, GENEMI	BL
search terms: SEQ ID NO: 3, SEQ ID NO: 6, cmv, promoter, enhancer, intron A vaccine, L523S, pCRXA20	, immediate early, polya, polyadenylation, cancer

Form PCT/ISA/210 (extra sheet) (January 2004)

From the INTERNA	TIONAL SEARC	HING AUTH	IORITY		
To: CAROL A. FANG TOWNSEND AND TOWNSEND AND CREW LLP		PCT			
	MBARCADERO ( ANCISCO, CA		H FLOOR		ITTEN OPINION OF THE ONAL SEARCHING AUTHORITY
					(PCT Rule 43bis.1)
		·		Date of mailing (day/month/year)	2 2 MAR 2005
Applicant 14058-18	's or agent's file	reference		FOR FURTHER	ACTION · See paragraph 2 below
	nal application No	o.	International filing date	 (day/month/year)	Priority date (day/month/year)
PCT/US0		ication (IPC)	09 June 2004 (09.06.200 or both national classification		09 June 2003 (09.06.2003)
1			3, 15/74 and US Cl.: 435/		155. 471
Applicant					
CORIXA	CORPORATION	<u> </u>			
1. This	opinion contains i	ndications rel	ating to the following item	ıs:	
	Box No. I Basis of the opinion				
Box No. II Priority					
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			ntive step and industrial applicability		
	Box No. IV Lack of unity of invention				
Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Box No. VI Certain documents cited					
	Box No. VII Certain defects in the international application				
	Box No. VIII Certain observations on the international application				
	THER ACTIO	-			
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.					
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  For further options, see Form PCT/ISA/220.					
3. For further details, see notes to Form PCT/ISA/220.					
	mailing address o		3	Authorized officer	Mix De Mary
Mail Stop PCT, Atm: ISA/US Commissioner for Patents				Jennifer Dungstor	The popular

P.O. Box 1450
Alexandria, Virginia 22313-1450
Facsimile No. (703) 305-3230
Form PCT/ISA/237 (cover sheet) (January 2004)

71-272-0507 DUK

Telephone No. 571-272-0507



	<del></del>	
nternationa	application	No.

PCT/US04/18529

В	Box No. I Basis of this opinion			
		regard to the language, this opinion has been established on the basis of the international application in the language in which filed, unless otherwise indicated under this item.  This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).		
		regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the divention, this opinion has been established on the basis of:		
	a.	type of material  a sequence listing  table(s) related to the sequence listing		
	b.	format of material  in written format  in computer readable form		
	c.	time of filing/furnishing  contained in international application as filed.  filed together with the international application in computer readable form.  furnished subsequently to this Authority for the purposes of search.		
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.		
4.	Additi	ional comments:		

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Form PCT/ISA/237 (Box No. V) (January 2004)

International application No. PCT/US04/18529

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement 1. Statement Novelty (N) Claims 4-7, 9-11, 13, 14, 17-21 and 23-25 YES Claims 1-3, 8, 12, 15, 16 and 22 NO Inventive step (IS) Claims 4-6, 9-11, 13, 14 and 19-21 YES Claims 1-3, 7, 8, 12, 15-18 and 22-25 NO Industrial applicability (IA) Claims 1-25 YES Claims NONE NO 2. Citations and explanations: Please See Continuation Sheet

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/18529

Supplemental Box		· <del>-</del>
In case the space in any of the preceding boxes is not sufficient.		

#### V. 2. Citations and Explanations:

Claims 1, 8, 12, 15, 16 and 22 lack novelty under PCT Article 33(2) as being anticipated by Xu et al. Xu et al teach an expression vector comprising a CMV promoter/enhancer sequence, a CMV intron A sequence, a heterologous nucleic acid sequence, and a polyadenylation site, in the order recited, wherein the promoter is operably linked to the heterologous nucleic acid (e.g. Figures 2 and 4, section 3.2). Further, Xu et al teach a host cell comprising said vector (e.g. Figure 2; section 2.3). The host cells taught by Xu et al include HeLa, HepG2 and ECV304 mammalian cells (e.g. section 2.3). Moreover, Xu et al culture the host cells comprising said vector (e.g. Figure 2).

Claims 1-3, 8, 12 and 15 lacks novelty under PCT Article 33(2) as being anticipated by Fikes et al. Fikes et al teach an expression vector comprising a CMV promoter/enhancer, a CMV intron A sequence, a hterologous nucleic acid sequence, and a polyadenylation site, in the order recited, wherein the promoter is operably linked to the heterologous nucleic acid sequence (e.g. column 30, lines 56-67; column 31, lines 1-27; column 32, lines 3-10 and 19-29). The intron A sequence used by Fikes et al consists of nucleotides 635-1461 and thus has a deletion from about base 1513 to about base 1736 (e.g. column 31, lines 16-18). Fikes et al teach the use of heterologous nucleic acids that encode cancer antigens (e.g. column 32, lines 19-29; column 12, lines 12-51). Fikes et al teach mouse muscle cells comprising said vector (e.g. column 36, lines 49-55).

Claims 17 and 18 lack an inventive step under PCT Article 33(3) as being obvious over Fikes et al in view of Xu et al. The teachings of Xu et al and Fikes et al are described above and applied as before. Fikes et al do not teach a method for expressing a heterologous seuqence in culture. One would have been motivated to use the method of transfecting mammalian cells and culturing the transfected cells as taught by Xu et al to receive the expected benefit of being able to test the level of gene expression prior to administering the vector to an organism such as a mouse.

Claims 7 and 23 lack an inventive step under PCT Article 33(3) as being obvious over Fikes et al in view of Xu et al and further in view of Wang et al. The teachings of Fikes et al and Xu et al are described above and applied as before. Fikes and Xu et al do not teach a cancer antigen encoded by the nucleic acid sequence set forth in SEQ ID NO: 6 (L523S). Wang et al teach the use of L523S as a potential therapeutic agent for lung cancer and teach the expression of L523S from a plasmid vector (e.g. page 888; Discussion). One of skill in the art would have been motivated to insert the nucleic acid sequence encoding L523S into the vectors of Fikes et al because Fikes et al teach the use of cancer antigens and Wang et al teach that L523S is a cancer antigen. Moreover, one of skill in the art would have been motivated to express the cancer antigen in culture using the method of Xu et al in order to test the level of gene expression of the cancer antigen prior to administering the vector to an organism such as a mouse.

Claims 24 and 25 lack an inventive step under PCT Article 33(3) as being obvious over Fikes et al in view of Wang et al further in view of Curiel et al. The teachings of Fikes et al and Wang et al are described as above and applied as before, except Fikes et al further teach a method of eliciting an immune response, comprising administering an immunogenetically effective amount of the vector to a subject, wherein the immune response is directed to the polypeptide encoded by the heterologous nucleic acid sequence (e.g. columns 22-24). Curiel et al teach the introduction of a nucleic acid vector into an autologous cell *in vitro* followed by the administration of the cell to a subject to elicit an immune response for the treatment of cancer (e.g. column 36, lines 36-65). One of

Form PCT/ISA/237 (Supplemental Box) (January 2004)

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

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#### Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

skill in the art would have been motivated to administer a mammalian cell, comprising the vector of Fikes et al containing the heterologous nucleic acid sequence encoding L523S, to a subject in order to receive the expected benefit of treating lung cancer. Furthermore, it would be obvious to one of skill in the art to administer the cells multiple times in order to increase the immune response to the delivered antigens.

Claims 4-6, 9-11, 13-14 and 19-21 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest an expression cassette comprising the sequence set forth in SEQ ID NO: 3.

Claims 1-25 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.

#### NOTESTO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

#### INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

#### What parts of the international application may be amended?

Under Article 19, only the claims may be amended

During the international phase, the claims may also be amenced (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

#### Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is can::elled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

#### What documents must/may accompany the amendments?

#### Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

#### NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged:
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

## The following examples illustrate the manner in which amendments must be explained in the accompanying

- 1. [Where onginally there were 48 claims and after amendment of some claims there are 51]:
  "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- 2. [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- 3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
  "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
  "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]:
  "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

#### "Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

## It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as armended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

### Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the time of filing the amendments (and any statement) with the International Bureau, also file with the International Preliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/IPEA/401).

### Consequence with regard to translation of the international application for entry into the national phase

The applicant's amention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated elected Office, see the PCT Applicant's Guide, Volume II.